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MARCH 13, 1998

PTAS

WARE, FRESSOLA, VAN DER SLUYS
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ASSIGNOR:
SPRUYT, PAUL MARIE PIERRE

DOC DATE: 10/31/1997

ASSIGNOR:
VAN DER PUTTEN, FRANK OCTAAF

DOC DATE: 10/31/1997

ASSIGNOR:
REUSENS, PETER PAUL FRANS

DOC DATE: 10/31/1997

ASSIGNEE:
ALCATEL ALSTHOM COMPAGNIE GENERALE D'ELECTRICITE
54, RUE LA BOETIE
75008 PARIS, FRANCE

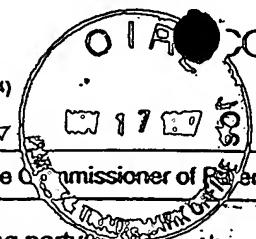
SERIAL NUMBER: 08844383
PATENT NUMBER:

FILING DATE: 04/18/1997
ISSUE DATE:

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To the Honorable Commissioner of Patents and Trade

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al documents or copy thereof.

1. Name of conveying party(ies):

Paul Marie Pierre SPRUYT
Frank Octaaf VAN DER PUTTEN
Peter Paul Frans REUSENS

Additional name(s) of conveying party(ies) attached? Yes No

11-17-97

2. Name and address of receiving party(ies)

Name: Alcatel Alsthom Compagnie Generale
d'Electricite

Internal Address:

Street Address: 54, rue La Boetie

75008 Paris, France

City: State: ZIP:

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other _____

Execution Date: October 31, 1997

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

S.N. 08/844,383
Filed April 18, 1997

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and patents involved: 1

Name: Alfred A. Fressola
Ware, Fressola, Van Der Sluys &
Internal Address: Adolphson LLP

7. Total fee (37 CFR 3.41).....\$40.00

Enclosed

Authorized to be charged to deposit account

Street Address: 755 Main Street

8. Deposit account number:

23-0442

(Attach duplicate copy of this page if paying by deposit account)

12/11/1997 DBEACH 0000063 08844383
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Alfred A. Fressola, 27,550

Name of Person Signing

Signature

3

Date

Total number of pages including cover sheet, attachments, and document:

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, we, Paul Marie Pierre SPRUYT; Frank Octaaf VAN DER PUTTEN and Peter Paus Frans REUSENS; all citizen of Belgium and residing at Prinses Lydialaan 54, B-3001 EVERLEE; Vinkstraat 1, B-2811 HOMBEEK and Warande 121, B-9270 LAARNE , hereby sell, assign and transfer to ALCATEL ALSTHOM, Compagnie Générale d'Electricité, 54, rue La Boétie, 75008 PARIS, FRANCE; a corporation duly organized and existing under the laws of France, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, in and to certain inventions relating to improvements MODULATION OF A PILOT CARRIER; AND MEANS TO PERFORM THIS MODULATION which is described in an application for Letters Patent of the United States, Serial No. 08/844,383, filed on April 18, 1997 , and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said invention be issued to said assignee, its successors, assigns and legal representatives or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in the United States and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file a like document which may be required for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

We covenant with said assignee, its successors, assigns and legal representatives that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Antwerp, Belgium,
this 31st day of October, 1997.

Paul Marie Pierre Spruyt

(Paul Marie Pierre SPRUYT)

Frank Octaaf Van der Putten

(Frank Octaaf VAN DER PUTTEN)

Peter Paul Frans Reusens

(Peter Paul Frans REUSENS)

Signed in our presence and acknowledged to be an assignment of the application (invention) herein above referred to.

Witness: Luc Josephine Theodul De Clercq Date: October 31, 1997

Witness: Axel Ivo Michel Plas Date: October 31, 1997

Declaration and Power of Attorney For Patent Application

Erläuterung Für Patentanmeldungen Mit Vollmacht

German Language Declaration

O I P E
Erläuterung
APR 23 2002
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Als nachstehend benannter Erfinder erkläre ich hiermit an
Eides Statt:

dass mein Wohnsitz, meine Postanschrift, und meine Staats-
angehörigkeit den im Nachstehenden nach meinem Namen
aufgeführten Angaben entsprechen.

dass ich, nach bestem Wissen der ursprüngliche, erste und
alleinige Erfinder (falls nachstehend nur ein Name ange-
geben ist) oder ein ursprünglicher, erster und Miterfinder (falls
nachstehend mehrere Namen aufgeführt sind) des Gegen-
standes bin, für den dieser Antrag gestellt wird und für den
ein Patent beantragt wird für die Erfindung mit dem Titel:

deren Beschreibung

(zutreffendes ankreuzen)

hier beigefügt ist.
 am _____ unter der

Anmeldungsseriennummer 0/_____

eingereicht wurde und am _____
abgeändert wurde (falls tatsächlich abgeändert).

Ich bestätige hiermit, dass ich den Inhalt der obigen Paten-
tanmeldung einschließlich der Ansprüche durchgesehen und
verstanden habe, die eventuell durch einen Zusatzantrag wie
oben erwähnt abgeändert wurde.

Ich erkenne meine Pflicht zur Offenbarung irgendwelcher In-
formationen, die für die Prüfung der vorliegenden Anmeldung
in Einklang mit Absatz 37. Bundesgesetzbuch, Paragraph
1.56(a) von Wichtigkeit sind, an.

Ich beanspruche hiermit ausländische Prioritätsvorteile ge-
mäß Abschnitt 35 der Zivilprozeßordnung der Vereinigten
Staaten, Paragraph 119 aller unten angegebenen Ausland-
sanmeldungen für ein Patent oder eine Erfindersurkunde,
und habe auch alle Auslandsanmeldungen für ein Patent oder
eine Erfindersurkunde nachstehend gekennzeichnet, die ein
Anmeldedatum haben, das vor dem Anmeldedatum der An-
meldung liegt, für die Priorität beansprucht wird.

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated
below next to my name.

I believe I am the original, first and sole inventor (if only one
name is listed below) or an original, first and joint inventor (if
plural names are listed below) of the subject matter which is
claimed and for which a patent is sought on the invention entitled

MODULATION OF A PILOT CARRIER, AND

MEANS TO PERFORM THIS MODULATION.

the specification of which

(check one)

 is attached hereto. was filed on April 18, 1997 as

Application Serial No. 08/844,383

and was amended on _____
(if applicable)

I hereby state that I have reviewed and understand the con-
tents of the above identified specification, including the claims,
as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is ma-
terial to the examination of this application in accordance with
Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United
States Code, §119 of any foreign application(s) for patent or
inventor's certificate listed below and have also identified
below any foreign application for patent or inventor's certifi-
cate having a filing date before that of the application on
which priority is claimed:

German Language Declaration

Prior foreign applications

Priorität beansprucht

97400221.4

Europe

31 January 1997

Priority Claimed

Yes
Ja

No
Nein

(Number)
(Nummer)

(Country)
(Land)

(Day/Month/Year Filed)
(Tag/Monat/Jahr eingereicht)

(Number)
(Nummer)

(Country)
(Land)

(Day/Month/Year Filed)
(Tag/Monat/Jahr eingereicht)

Yes
Ja

No
Nein

(Number)
(Nummer)

(Country)
(Land)

(Day/Month/Year Filed)
(Tag/Monat/Jahr eingereicht)

Yes
Ja

No
Nein

Ich beanspruche hiermit gemäss Absatz 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 120, den Vorzug aller unten aufgeführten Anmeldungen und falls der Gegenstand aus jedem Anspruch dieser Anmeldung nicht in einer früheren amerikanischen Patentanmeldung laut dem ersten Paragraphen des Absatzes 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 112 offenbart ist, erkenne ich gemäss Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) meine Pflicht zur Offenbarung von Informationen an, die zwischen dem Anmeldedatum der früheren Anmeldung und dem nationalen oder PCT internationalen Anmeldedatum dieser Anmeldung bekannt geworden sind.

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

0/
(Application Serial No.)
(Anmeldeseriennummer)

(Filing Date)
(Anmeldedatum)

(Status)
(patentiert, anhängig,
aufgegeben)

(Status)
(patented, pending,
abandoned)

0/
(Application Serial No.)
(Anmeldeseriennummer)

(Filing Date)
(Anmeldedatum)

(Status)
(patentiert, anhängig,
aufgegeben)

(Status)
(patented, pending,
abandoned)

Ich erkläre hiermit, dass alle von mir in der vorliegenden Erklärung gemachten Angaben nach meinem besten Wissen und Gewissen der vollen Wahrheit entsprechen, und dass ich diese eidesstattliche Erklärung in Kenntnis dessen abgebe, dass wissentlich und vorsätzlich falsche Angaben gemäss Paragraph 1001, Absatz 18 der Zivilprozessordnung der Vereinigten Staaten von Amerika mit Geldstrafe belegt und/oder Gefängnis bestraft werden koennen, und dass derartig wissentlich und vorsätzlich falsche Angaben die Gültigkeit der vorliegenden Patentanmeldung oder eines darauf erteilten Patentes gefährden können.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

German Language Declaration

VERTRETUNGSVOLLMACHT: Als benannter Erfinder beauftrage ich hiermit den nachstehend benannten Patentanwalt (oder die nachstehend benannten Patentanwälte) und/oder Patent-Agenten mit der Verfolgung der vorliegenden Patentanmeldung sowie mit der Abwicklung aller damit verbundenen Geschäfte vor dem Patent- und Warenzeichenamt: (Name und Registrationsnummer anführen)

James R. Frederick, Reg. No. 25,865
Garrold E. Bramblett, Reg. No.
19,119

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (list name and registration number)

Robert H. Ware, Reg. No. 18,179
Alfred A. Fressola, Reg. No. 27,550
K. Bradford Adolphson, Reg. No. 30,927
Francis J. Maguire, Reg. No. 31,391
William J. Barber, Reg. No. 32,720
Peter H. Van Winkle, Reg. No. 36,039
Michael Grillo, Reg. No. 34,612

Telefongespräche bitte richten an:
(Name und Telefonnummer)

Direct Telephone Calls to: (name and telephone number)
(203) 261-1234

Postanschrift:

Send Correspondence to:
WARE, FRESSOLA, VAN DER SLUYS
& ADOLPHSON
755 Main Street, PO Box 224
Monroe CT 06468

Voller Name des einzigen oder ursprünglichen Erfinders:	Full name of sole or first inventor
Unterschrift des Erfinders	Paul Marie Pierre SPRUYT Inventor's signature
Wohnsitz	Date Paul Marie Pierre Spruyt Oct. 31, 1997
Staatsangehörigkeit	Residence Prinses Lydialaan 54
Postanschrift	Citizenship Belgian
	Post Office Address B-3001 HEVERLEE
	Belgium
Voller Name des zweiten Miterfinders (falls zutreffend)	Full name of second joint inventor, if any
Unterschrift des Erfinders	Frank Octaaf VAN DER PUTTEN Second Inventor's signature
Wohnsitz	Date Frank Octaaf Van der Putten Oct. 31, 1997
Staatsangehörigkeit	Residence Vinkstraat 1
Postanschrift	Citizenship Belgian
	Post Office Address B-2811 HOMBEEK
	Belgium

(Bitte entsprechende Informationen und Unterschriften im Falle von dritten und weiteren Miterfindern angeben).

(Supply similar information and signature for third and subsequent joint inventors.)

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

Full name of third joint inventor, if any Peter Paul Frans REUSENS

Inventor's signature Peter Paul Frans Reusens

Date Oct. 31, 1997 Country of Citizenship Belgium

Residence Warande 121

Post Office Address B- 9270 LAARNE, Belgium

Full name of fourth joint inventor, if any _____

Inventor's signature _____

Date _____ Country of Citizenship _____

Residence _____

Post Office Address _____

Full name of fifth joint inventor, if any _____

Inventor's signature _____

Date _____ Country of Citizenship _____

Residence _____

Post Office Address _____